RAW SEQUENCE LISTING

DATE: 12/04/2001

PATENT APPLICATION: US/09/979,549

TIME: 11:51:40

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Output Set: N:\CRF3\11212001\I979549.raw

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4 <110> APPLICANT: INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA)
              GAUTIER, Marie-Francise
              IHORAI, Tania
      6
              JOUDRIER, Philippe
     7
     10 <120> TITLE OF INVENTION: PROMOTER OF THIOREDOXINE TaTrxh2 IN
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     13 <130> FILE REFERENCE: ORES10.001APC
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     30 <212> TYPE: DNA
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     61 cgcttttctc cttgggtggg cgcgcgagct ccccgagttt gagccgcaat ttttttacat 180
     62 tttatggcga tggcgtcagg cgtttatcta ggcgtctggg agggtacatt tgaagatgtg 240
     63 ccaccaactc caaaccgaca accetgtate tgagcatgce teatgeetet cetteatgce 300
     64 tecetttggg tgaggteatg tgeeettgge ggegagtgge tteeegttta gageaagtat 360
     65 aataagteet agteagetgg etataagatg tteeacatea geaaateett aaactggagg 420
     66 agaaagaaag taggagtgag aagggcgtcg gcgcttcgtc aatcgctagc gatagcacaa 480
     67 gctcccatgg aatcgagcca acatgcaacc cgcacaatga ctaaaggcaa acgccagcca 540
     68 atcagtatgc ctttctctgc atctttcttc atgcaagcat taaatactat agctaatcta 600
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69 cagccagttt attatataaa caggctatat agctgacctg gcagtgctat agagccggca 660
70 gccggctctt ctattagctt tgctcttatg gctacatctg tgtgagcagt cgattgattc 720
71 aaacaacaaa teegggegtt eageaagteg gaatgaattt eggeteatea eteattgteg 780 72 tgggeeteae gegtattege etaacegtgt ttgaateaga eeeteaegaa geeaeggete 840
73 cagcgacccg ttcaccacgt cagcctaaaa aaagaaaaaa aaactgttca atcacacgcc 900
74 catctgaacc gttcaacagc cccacgtaat ttcgcgcacc agcaaagggc atatccgtca 960
75 tagcgagege ataaattetg attectgeet geetgeegga caatttatet ttggggagge 1020
76 gggccgggat tggagacaga gcccacaagg caacaacaaa gtgcgcgtga gaaatcaaca 1080
77 agcggtgctt gccgagaaga gagagagaga g atg gcg gcg tcg gcg gcg acg 1132
78 Met Ala Ala Ser Ala Ala Thr
79 1 gca acg gcg gcg gtg gtg ggg gag gtg atc tcc gtc cac acc 1180
81 gca acg gcg gcg gtg ggg gcg ggg gag gtg atc tcc gtc cac acc 1180 82 Ala Thr Ala Ala Ala Val Gly Ala Gly Glu Val Ile Ser Val His Thr
83 10 15 20
85 ctg gag cag tgg acc atg cag atc gag gag gcc aac gcc gcc aag aag 1228
86 Leu Glu Gln Trp Thr Met Gln Ile Glu Glu Ala Asn Ala Lys Lys
87 25 30 35
89 ctg gtacgcatct ttccggatcg atctctccct cccccctcgt cttctcccgc 1281
90 Leu
91 40
93 aaggeggeae gggeegggeg aggatgetet tgttteagat tggttggtga agttaagaee 1341 94 tggetegtge atgeggtgge egeeegagga egaatetgeg gttggtetgg ttgaattttg 1401
95 atggettgga gageatgtta eggteggttt etttteeeeg tettattagg getgeegtgg 1461
96 atatcatett eteatgttaa aaaggagaca gttteagaac egegtgtaee getaetteet 1521
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98 tatatacata cttcagagta tagatcactc gttttgctcc gtatgtagta tgcagttcac 1641
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102 cacquatta tecectate cytyyetyet gedyttetye decadedee cytatya 1941
104 actgtaccag gaatttatat gatgatcatc ttgttgtttg tatatatttt tttgcggggg 2001
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107 gtgttgaact agcagtagca ttattgaccc atgctttgca catttgtgtc aaggtcctgt 2181
108 taaccttgtc gtttgtaaca gg tgg tgg ttg act tca ctg cat cat ggt gtg 2233
109 Trp Trp Leu Thr Ser Leu His His Gly Val 110 45 50
110 45 50 112 gac cat gcc gca tca tgg ctc cag ttt tcg ctg atc tcg cca aga agt 2281
113 Asp His Ala Ala Ser Trp Leu Gln Phe Ser Leu Ile Ser Pro Arg Ser
114 55 60 65
116 tcc caa atg ctg ttt tcc tca agg tcg atg tcg atg aac tga agg 2326
117 Ser Gln Met Leu Phe Ser Ser Arg Ser Met Ser Met Asn * Arg
118 70 75 80
120 taatggaacc gatggcgctg tttacagagc acagagtatc atcgtgcgat ttcagagctg 2386
121 tgttactaac aaggttttat gttgtatgaa cagc cca ttg cgg agc aat tca gcg 2441 122 Pro Leu Arg Ser Asn Ser Ala
122 Pro Leu Arg Ser Ash Ser Ala 123 85
125 ttg agg cca tgc caa cct tcc tgt tca tta agg aag gag atg tca agg 2489

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126 Leu Arg Pro Cys Gln Pro Ser Cys Ser Leu Arg Lys Glu Met Ser Arg 127 90 95 100	
129 aca ggg ttg tgg gag cta tca agg agg aac tga cga aca agg ttg ggc 130 Thr Gly Leu Trp Glu Leu Ser Arg Arg Asn * Arg Thr Arg Leu Gly	2537
131 105 110 115 133 tac acg cgg cgg ccc agt aat cacctagcgg agtagtattc gcctaaataa	2588
134 Tyr Thr Arg Arg Pro Ser Asn	
135 120 125	2648
137 aattgtggct caagaagcgg tgcctctaat ggcaccttat atcctgtgta ctgcttgtta	2687
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148 cgcttttctc cttgggtggg cgcgcgagct ccccgagttt gagccgcaat ttttttacat	240
149 tttatggcga tggcgtcagg cgtttatcta ggcgtctggg agggtacatt tgaagatgtg	200
150 ccaccaacte caaaccgaca accetgtate tgageatgee teatgeetet cetteatgee	360
151 tecettiggg tgaggteatg tgeeettgge ggegagtgge tteeegttta gageaagtat	420
152 aataagtcct agtcagctgg ctataagatg ttccacatca gcaaatcctt aaactggagg	420
153 agaaagaaag taggagtgag aagggcgtcg gcgcttcgtc aatcgctagc gatagcacaa	400 540
154 geteccatgg aategageea acatgeaace egeacaatga etaaaggeaa aegecageea	600
155 atcagtatge ettetetge atettette atgeaageat taaatactat agetaateta	660
156 cagccagttt attatataaa caggctatat agctgacctg gcagtgctat agagccggca	720
157 geoggetett etattagett tgetettatg getacatetg tgtgageagt egattgatte	720
158 aaacaacaaa toogggogtt cagcaagtog gaatgaattt oggotoatca otcattgtog	780
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/979,549

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